

(54) CYCLIC ACETAL DERIVATIVE OF INDOPHENYL- α -GLYCOSIDE, ITS PRODUCTION AND UTILIZATION THEREOF AS REAGENT FOR MEASURING α -AMYLASE ACTIVITY

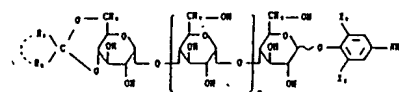
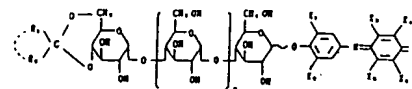
(11) 2-306991 (A) (43) 20.12.1990 (19) JP
 (21) Appl. No. 64-128090 (22) 22.5.1989
 (71) FUJI PHOTO FILM CO LTD (72) HIROSHI SHINOKI
 (51) Int. Cl⁵. C07H15/203, C12Q1/40

NEW MATERIAL: A compound expressed by formula I (X_1 to X_6 are H, halogen, nitro, cyano, azide, acyl, sulfonic acid, nitroso, sulfonyl, sulfoxyl, thiocyanato, isothiocyanato, isonitrile, imino, azo, diazo, alkyl, allyl or aryl or X_3 and X_4 and/or X_5 and X_6 may be linked to form condensed aromatic ring; R_1 and R_2 are H, lower alkyl or phenyl or R_1 and R_2 together may form cyclohexane ring or cyclopentane ring; n is 0-8).

EXAMPLE: Isopropylidene-phenolindophenyl- α -pentaoside.

USE: A reagent for measuring α -amylase activity.

PREPARATION: A cyclic acetal derivative of a 4-aminophenylglycoside expressed by formula II is reacted with a quinone derivative expressed by formula III.



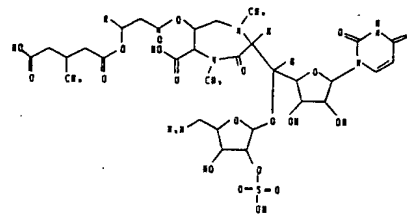
(54) ANTIBIOTIC PK-1061G AND PK-1061H AND PRODUCTION THEREOF

(11) 2-306992 (A) (43) 20.12.1990 (19) JP
 (21) Appl. No. 64-127079 (22) 20.5.1989
 (71) RIKAGAKU KENKYUSHO (72) KIYOSHI ISONO(2)
 (51) Int. Cl⁵. C07H19/06, C12P19/40//A61K31/71, C12N1/20(C12P19/40, C12R1/465)

NEW MATERIAL: A compound shown by formula (R is $C_{12}H_{25}$ or $C_{13}H_{25}$) having the following physical and chemical properties. Shape: both white powder. Melting point: both decomposing at $\geq 190^\circ\text{C}$. Molecular weight: RK-1061G 1036, RK-1061H 1024 (MH^+) (FAB mass spectrum). Solubility: both readily soluble in water and dimethyl sulfoxide, soluble in methanol and ethanol and insoluble in ethyl acetate and chloroform. Color reaction: both decoloring solution of potassium permanganate, positive in anisaldehyde-sulfuric acid reagent, anthrone reagent, etc. Amphoteric substance.

USE: An antimicrobial agent.

PREPARATION: A strain such as Streptomyces sp. RK-1061 (FERM-P 8278), belonging to the genus Streptomyces is cultured.



(54) PRODUCTION OF LABELED NUCLEIC ACID

(11) 2-306993 (A) (43) 20.12.1990 (19) JP
 (21) Appl. No. 64-127897 (22) 23.5.1989
 (71) TOSOH CORP (72) YOSHITAMI MITOMA
 (51) Int. Cl⁵. C07H21/04, C12N15/10, C12Q1/68

PURPOSE: To simply obtain the subject nucleic acid useful in test, etc., of genetic disease by irradiating a nucleic acid containing thymine with ultraviolet ray while bringing the nucleic acid into contact with a compound having primary or secondary amine in a state of liquid phase.

CONSTITUTION: For example, a nucleic acid containing thymine, preferably having about 500 bases in the sequence is irradiated with ultraviolet ray having 260nm wavelength while bringing the nucleic acid into contact with a detectable compound (e.g. protein, amino acid or allylamine) having primary or secondary amine) in a state of liquid phase to provide the aimed nucleic acid.